

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/006405

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.⁷ C12Q1/68, C12N15/09, G01N21/78, 33/53, 33/566

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl.⁷ C12Q1/68, C12N15/00-15/90, G01N21/78, 33/53, 33/566

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

BIOSIS/MEDLINE/WPIDS (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	TERAMAE, N. et al., Use of abasic site-containing DNA strands for Nucleobase recognition in water, J. Am. Chem. Soc., 2003, 125, pages 8982 to 8983	1-4, 9-11 5-8
Y	JP 2001-89478 A (Japan Science and Technology Corp.), 03 April, 2001 (03.04.01), (Family: none)	1-11
Y	NAKATANI K. et al., Scanning of guanine-guanine mismatches in DNA by synthetic ligands using surface plasmon resonance., Nat. Biotechnol., 2001, January, 19(1), p.51-5	7

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
20 April, 2005 (20.04.05)Date of mailing of the international search report
10 May, 2005 (10.05.05)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	NAKATANI K. et al., Improved selectivity for the binding of naphthyridine dimer to guanine-guanine mismatch., Bioorg.Med.chem., 2001, September, 9(9), p.2381-5	7
P,X P,Y	JP 2004-261068 A (Norio TERAMAE), 24 September, 2004 (24.09.04), (Family: none)	1-4, 9-11 5-8
A	JP 2001-149096 A (Japan Science and Technology Corp.), 05 June, 2001 (05.06.01), & US 6607890 B1 & EP 1164202 A1 & WO 2001/038571 A1	1-11
A	NAKATANI, K. et al., Recognition of Guanine-Guanine mismatches by the dimeric form of 2-amino-1, 8-naphthyridine, J.Am.Chem.Soc., 2001, 123, pages 12650 to 12657	1-11